

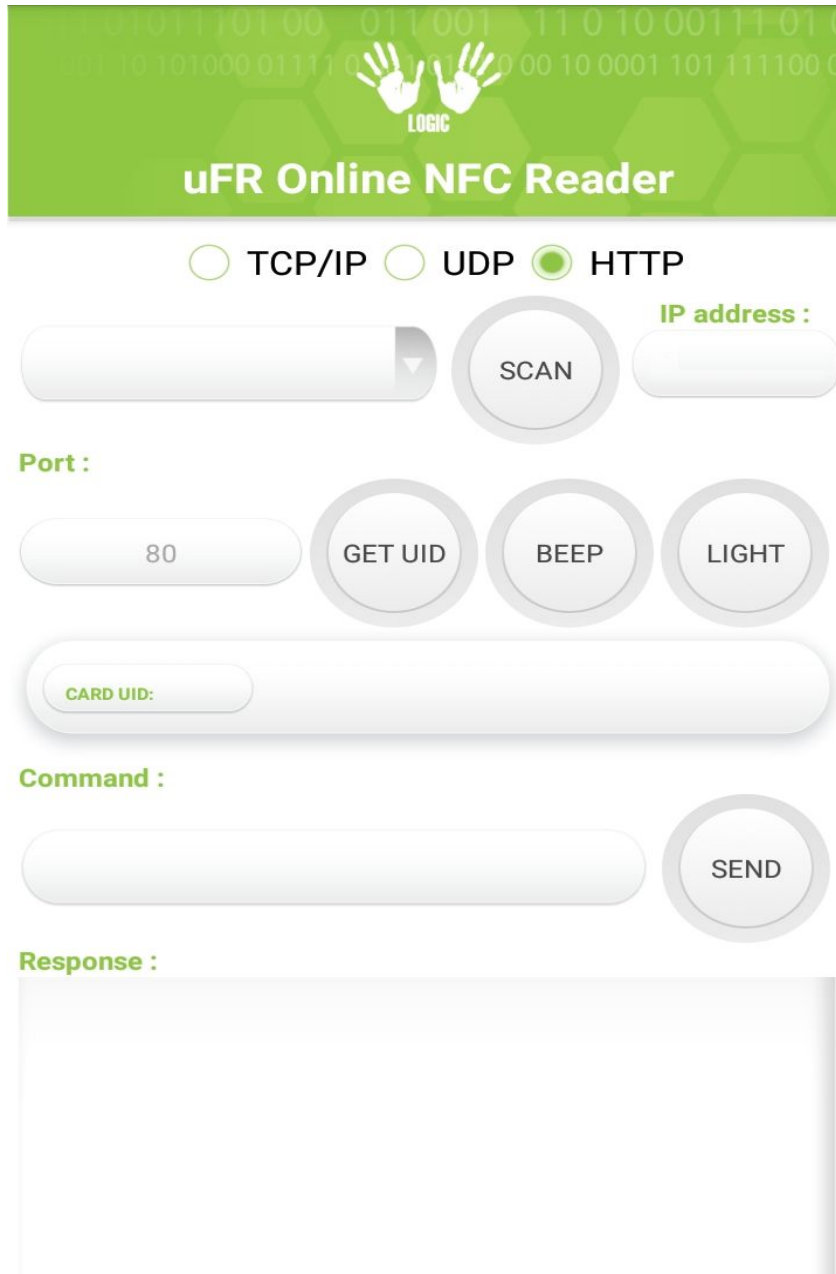


# **uFR Online NFC Reader - Android 1.0 version**

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## Application preview



The application interface features a green header with the Digital Logic logo and the title "uFR Online NFC Reader". Below the header, there are three radio buttons for selecting the communication protocol: TCP/IP, UDP, and HTTP (which is selected). To the right of these buttons is a label "IP address :" followed by a text input field. Below the IP address field is a "SCAN" button. Further down, there is a label "Port :" followed by a text input field containing the number "80". To the right of the port field are three circular buttons labeled "GET UID", "BEEP", and "LIGHT". Below these buttons is a large text input field with a label "CARD UID:" on the left. Further down, there is a label "Command :" followed by a text input field. To the right of the command field is a "SEND" button. At the bottom, there is a label "Response :" followed by a large, empty text area for displaying the response.

**uFR Online NFC Reader**

☐ TCP/IP ☐ UDP ☒ HTTP

IP address :

SCAN

Port :

GET UID BEEP LIGHT

CARD UID:

Command :

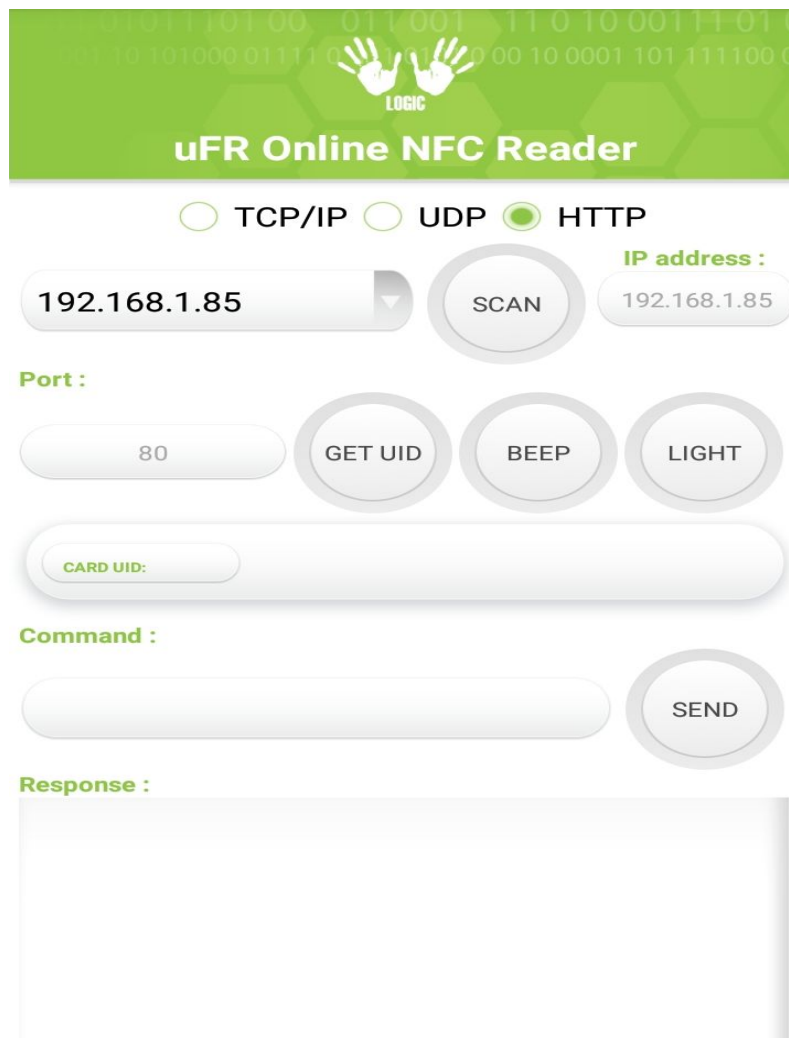
SEND

Response :

## Options

Click on 'SCAN' button to see available uFR Online readers. Notice that you have to be connected at the same network as readers. If you can't find reader ip address by clicking 'SCAN' button, you have an option to manually input ip address. If ip address is manually entered, application will take that ip for work, if field for manual ip address input is empty, application will use ip address from dropdown list. When you select reader's ip address from drop down list and click button 'GET UID' you will be able to see card's uid in text field.

On button 'BEEP' you will be able to hear sound from buzzer, and on button 'LIGHT' clicked you will be able to see alternation light signal.



The interface for the uFR Online NFC Reader application features a green header with the title and a logo. Below the header, there are three radio buttons for selecting the communication protocol: TCP/IP, UDP, and HTTP (which is selected). A dropdown menu for IP address is set to 192.168.1.85, with a 'SCAN' button next to it. Below this, a 'Port' section shows a dropdown set to 80 and three buttons: 'GET UID', 'BEEP', and 'LIGHT'. A 'CARD UID' field is located below the port section. The 'Command' section includes a text input field and a 'SEND' button. At the bottom, there is a 'Response' section with a large text area for displaying the results.

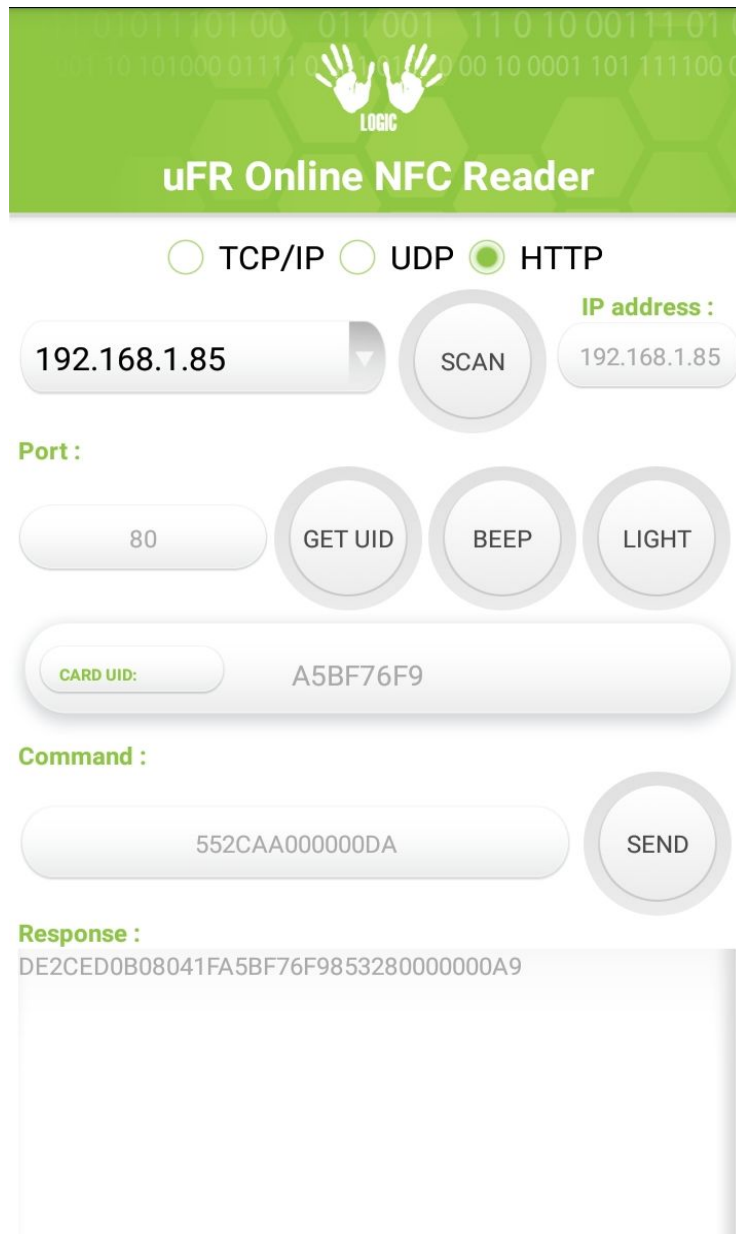
The same thing will happen if you choose UDP or TCP/IP communication protocol.

If HTTP protocol is selected, then port is always 80 by default.

If UDP or TCP/IP protocol is selected, you can modify the port by yourself.

You can also type hexadecimal command from uFR COM protocol to send it to reader.

Simply type the command and click 'SEND' button. The picture below shows GET\_CARD\_ID\_EX command sent to reader:



**uFR Online NFC Reader**

☐ TCP/IP 
 ☐ UDP 
 ☒ HTTP

IP address : 192.168.1.85

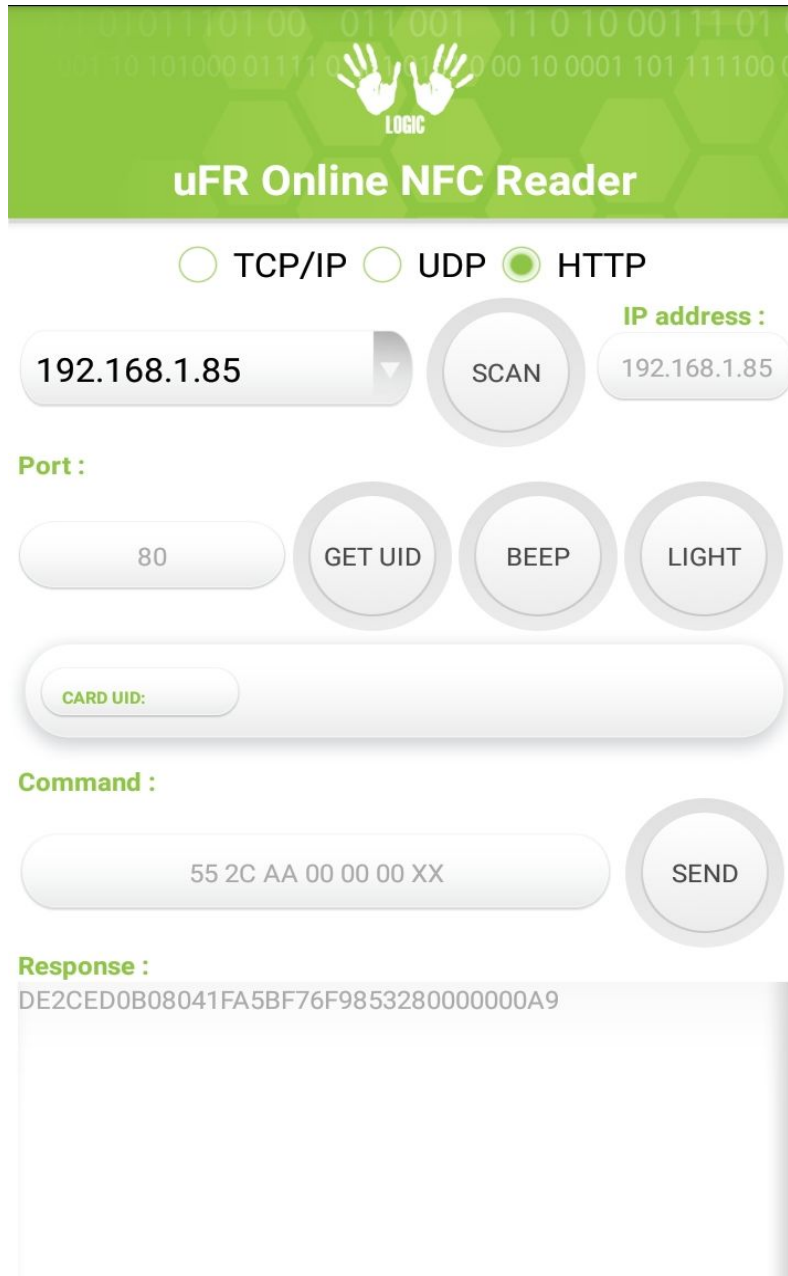
Port : 80

CARD UID: A5BF76F9

Command : 552CAA000000DA

Response : DE2CED0B08041FA5BF76F985328000000A9

You can also send command with delimiters and if you want automatic checksum calculation you can type 'XX' as the last byte in your command.



**uFR Online NFC Reader**

☐ TCP/IP ☐ UDP ☒ HTTP

IP address : 192.168.1.85

Port : 80

GET UID BEEP LIGHT

CARD UID:

Command : 55 2C AA 00 00 00 XX

SEND

Response : DE2CED0B08041FA5BF76F9853280000000A9

## Revision history

Date	Version	Comment
2019-05-13	1.0	Base document